

# Course Material

## SimScale

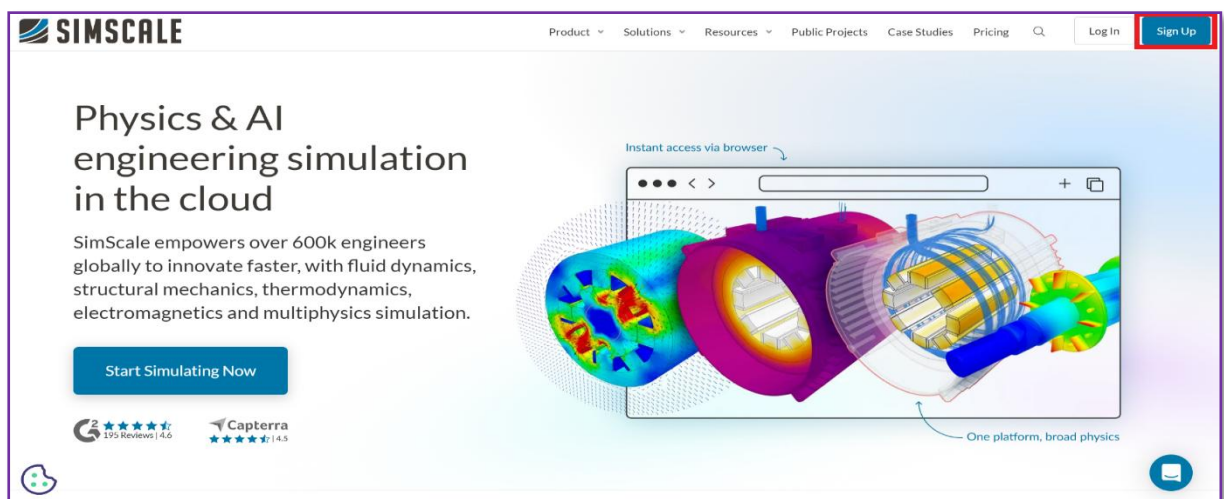
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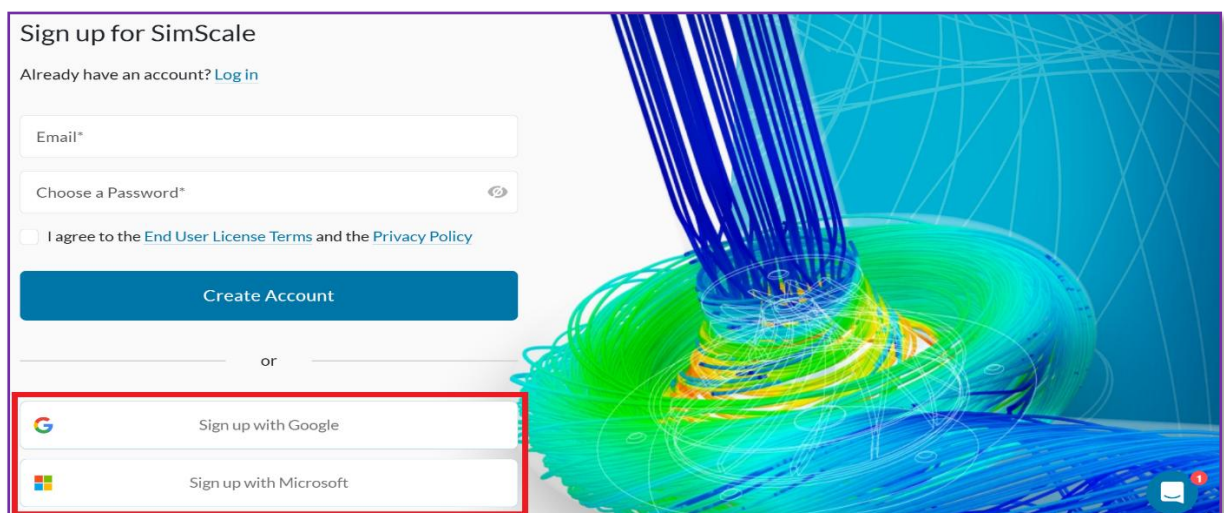
### Installation

#### Sign Up/Log In:

1. Go to <https://www.simscale.com/>
2. Click on "**Sign Up**" to create an account.

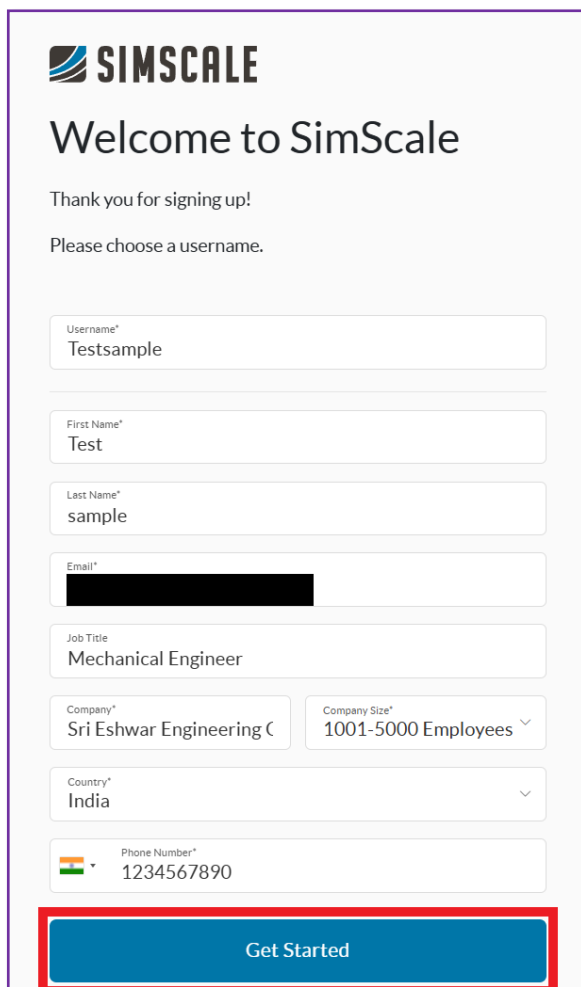


3. Select the appropriate option: "**Sign up with Google**" or "**Sign up with Microsoft (Outlook).**"



- Fill in your details in the registration form and click "**Get Started**" to complete the Sign up process.

**Note:** Use your college details for Job Title, Company, and Company Size.



**SIMSCALE**

## Welcome to SimScale

Thank you for signing up!

Please choose a username.

Username\*  
Testsample

First Name\*  
Test

Last Name\*  
sample

Email\*  
[Redacted]

Job Title  
Mechanical Engineer

Company\*  
Sri Eshwar Engineering C

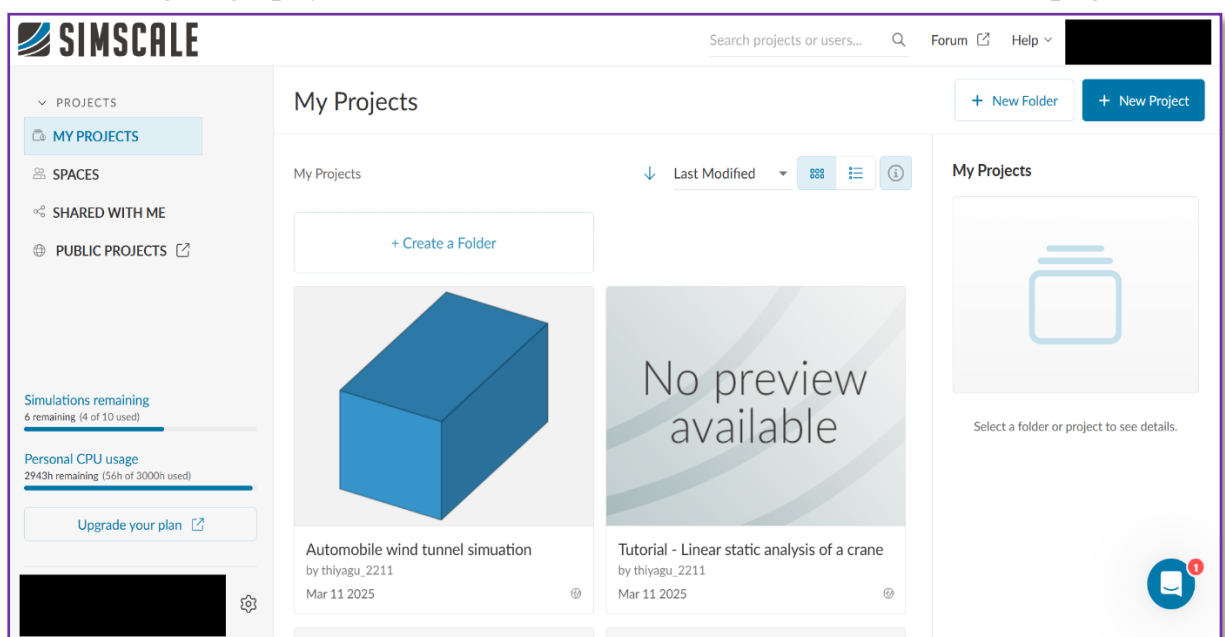
Company Size\*  
1001-5000 Employees

Country\*  
India

Phone Number\*  
1234567890

**Get Started**

- After signing up, you will be redirected to the SimScale dashboard page.



**SIMSCALE**

Search projects or users... Forum Help

**My Projects**

+ New Folder + New Project

My Projects

↓ Last Modified

+ Create a Folder

Simulations remaining  
6 remaining (4 of 10 used)

Personal CPU usage  
2943h remaining (56h of 3000h used)

Upgrade your plan

Automobile wind tunnel simulation  
by thiyagu\_2211  
Mar 11 2025

Tutorial - Linear static analysis of a crane  
by thiyagu\_2211  
Mar 11 2025

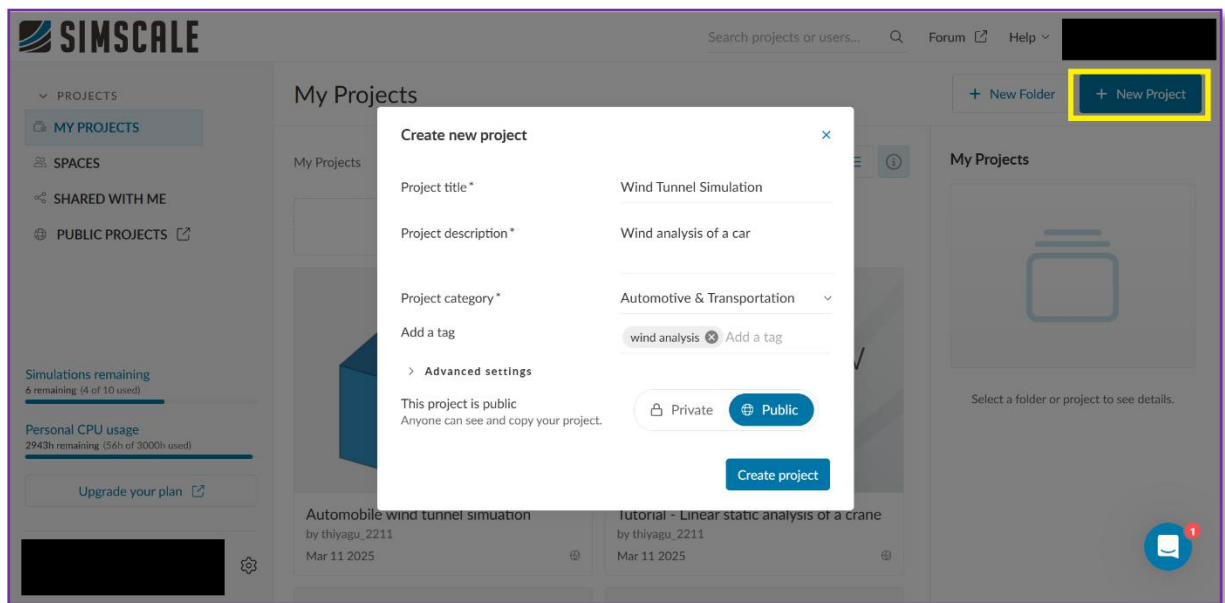
Select a folder or project to see details.

## Basic Navigation Controls

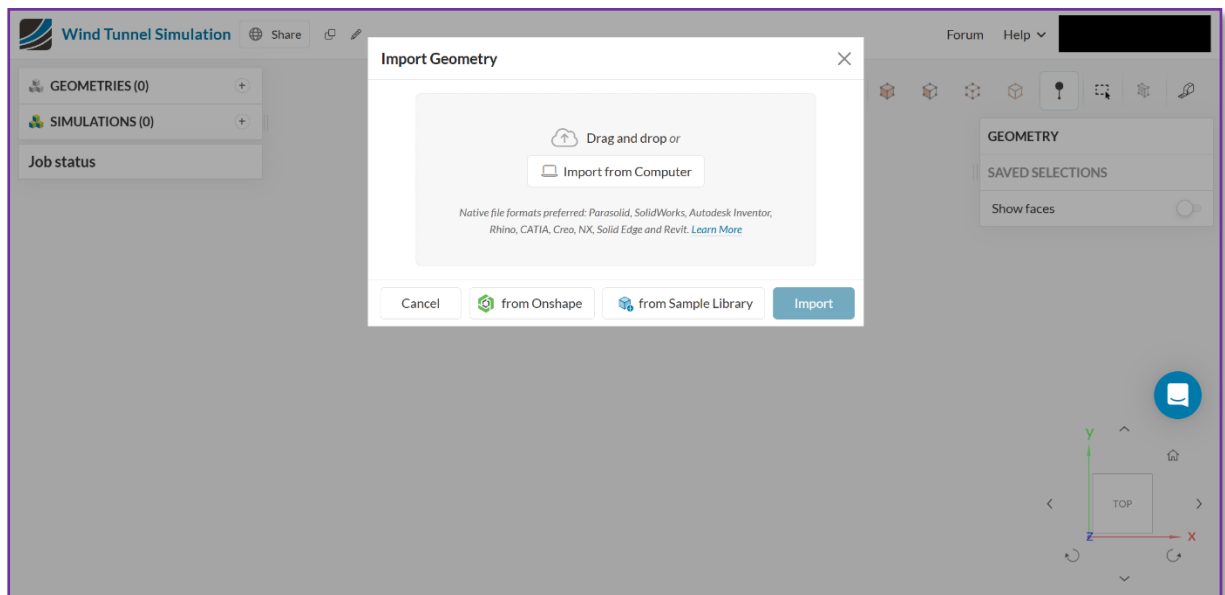
- **Zoom** → Use the **mouse scroll** to zoom in and out.
- **Free Rotate** → Hold **left mouse button** to freely rotate the view.
- **Pan** → Hold **Middle mouse click** to pan across the workbench.

## SimScale workbench

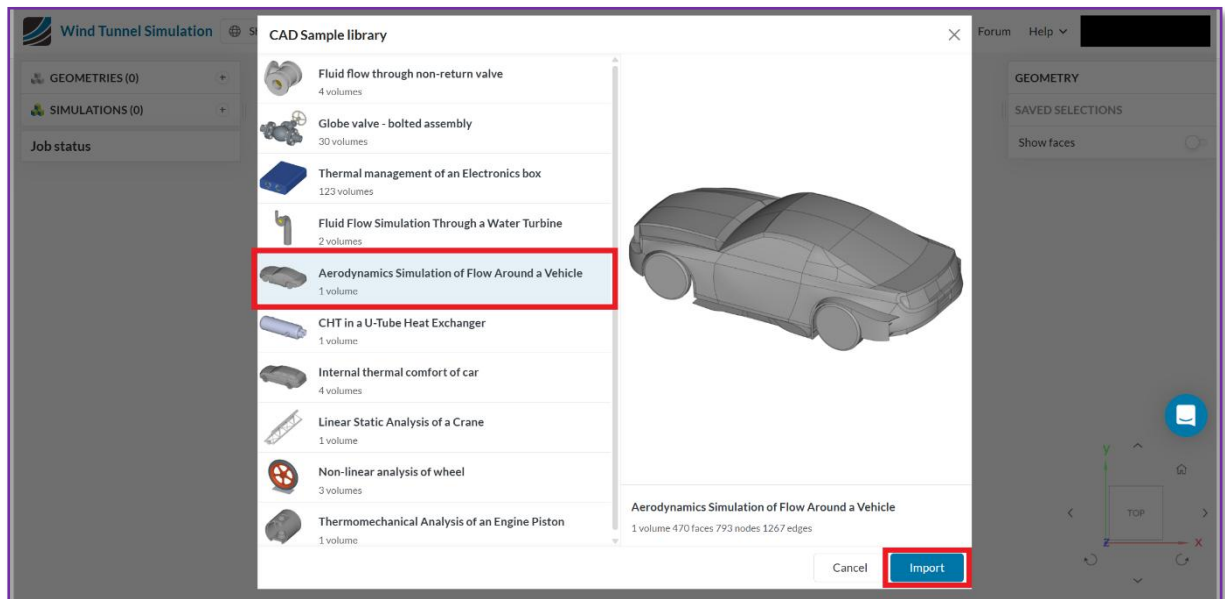
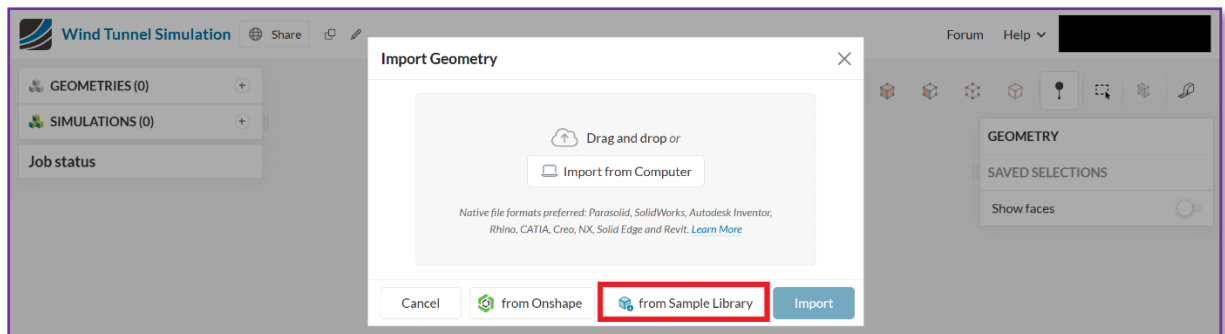
1. Click on +New Project and enter your project details to create a new project.



2. The SimScale workbench will launch, allowing you to upload your own 3D model for analysis or use models from the SimScale library for testing.



3. Click on “from Sample Library”, select “Aerodynamics Simulation of Flow Around a Vehicle”, and then click “Import” to add the 3D model to your project.



4. Follow the SimScale Tutorial documentation for a detailed step by step procedure for running the simulation and generating results.  
<https://www.simscale.com/docs/tutorials/aerodynamic-simulation-vehicle/>
5. Click on “**Help**” in the SimScale Workbench to access **Tutorials, Documentation, and the Learning Center**.

